

AL.2.2008-98

University of Alberta Library



0 1620 3409942 2

Student and teacher: Use this cover sheet for mailing or faxing.

# PROJECT BOOKLET

MAT1038 Applied Mathematics 10  
Module 1

## FOR STUDENT USE ONLY

Date Assignment Submitted:

\_\_\_\_\_

Time Spent on Assignment:

\_\_\_\_\_

(If label is missing or incorrect)

Student File Number:

\_\_\_\_\_

Module Number:

\_\_\_\_\_

## FOR OFFICE USE ONLY

Assigned

Teacher: \_\_\_\_\_

Assignment

Grading: \_\_\_\_\_

Graded by: \_\_\_\_\_

Date Assignment Received:

## Student's Questions and Comments

Apply Module Label Here

Name

\_\_\_\_\_

Address

\_\_\_\_\_

Postal Code

\_\_\_\_\_

Please verify that preprinted label is for  
correct course and module.

## Teacher's Comments

Teacher

# **INSTRUCTIONS FOR SUBMITTING THIS DISTANCE LEARNING PROJECT BOOKLET**

When you are registered for certain distance learning courses, you are expected to submit completed projects for correction. Try to submit each project as soon as you complete it. Do not submit more than one Project Booklet in one subject at the same time. Before submitting your Project Booklet, please check the following:

- Is the project completed? If not, explain why.
- Has your work been reread to ensure accuracy in spelling and details?
- Is the booklet cover filled out and the correct module label attached?

## **MAILING**

### **1. Postage Regulations**

Do **not** enclose letters with your project or Project Booklets.

**Send all letters in a separate envelope.**

### **2. Postage Rates**

**Put your project or Project Booklet in an envelope and take it to the post office and have it weighed. Attach sufficient postage** and seal the envelope. Project Booklets will travel faster if sufficient postage is used and if they are in large envelopes that do not exceed two centimetres in thickness.

## **FAXING**

1. Project Booklets may be faxed to the school with which you are registered. Contact your teacher for the appropriate fax number.
2. All faxing costs are the responsibility of the sender.

## **E-MAILING**

It may be possible to e-mail your completed projects to the school with which you are registered. Contact your teacher for the appropriate e-mail address.

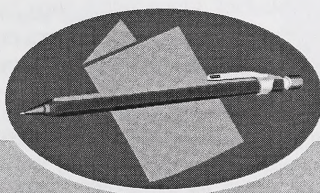


# **Applied Mathematics 10**

## **Module 1**

### **Measurement**

#### **PROJECT BOOKLET**



**Learning  
Technologies  
Branch**

**Alberta**  
LEARNING

## FOR TEACHER'S USE ONLY

### Summary

Total Possible Marks	Your Mark
40	

### Teacher's Comments

Applied Mathematics 10  
Module 1: Measurement  
Project Booklet  
Learning Technologies Branch  
ISBN 0-7741-1616-1

This document is intended for	
Students	✓
Teachers	✓
Administrators	
Home Instructors	
General Public	
Other	



You may find the following Internet sites useful:

- Alberta Learning, <http://www.learning.gov.ab.ca>
- Learning Technologies Branch, <http://www.learning.gov.ab.ca/lrb>
- Learning Resources Centre, <http://www.lrc.learning.gov.ab.ca>

The use of the Internet is optional. Exploring the electronic information superhighway can be educational and entertaining. However, be aware that these computer networks are not censored. Students may unintentionally or purposely find articles on the Internet that may be offensive or inappropriate. As well, the sources of information are not always cited and the content may not be accurate. Therefore, students may wish to confirm facts with a second source.

Copyright © 2000, 2002, the Crown in Right of Alberta, as represented by the Minister of Learning, Alberta Learning, 10155 – 102 Street, Edmonton, Alberta T5J 4L5. Print copies may be obtained from the Learning Resources Centre. Digital copies are available to registered Alberta educators at the Tools4Teachers website: <http://www.tools4teachers.ab.ca>

Every effort has been made both to provide proper acknowledgement of the original source and to comply with copyright law. If cases are identified where this effort has been unsuccessful, please notify Alberta Learning so that appropriate corrective action can be taken.



## PROJECT BOOKLET

### APPLIED MATHEMATICS 10 – MODULE 1: MEASUREMENT

Read all parts of this project carefully and record your answers in the appropriate place. Work slowly and carefully. If you are having difficulties, go back and review the appropriate activity in the Student Module Booklet.

Be sure to complete all parts of the project and proofread your responses before submitting this project to your teacher. If you require more room for any response, use your own paper and attach it securely to this booklet.

Your mark on this module will be determined by how well you do on the module project in this Project Booklet and the module assignment in the Assignment Booklet.

The value of each part of the module project is stated in the left margin of this booklet. The total value of the module project is 40 marks.

40

### Module Project: The Dream Room

Your project for Module 1 is The Dream Room. This project involves planning and researching the costs of redecorating a bedroom with an attached bathroom.

Because this is a dream room, you can pretend the room is any size you want it to be. However, you will be expected to measure real doors, windows, walls, and furniture, so that your plans and costs are realistic.

You will be working with a budget of \$5000. You will have to research the cost for new baseboards, floor coverings, paint or wallpaper, and window treatments. You will also be expected to include the prices for a new bed, dresser, desk, chair, and lamp. You can include any other items that will fit into your budget. You can assume that the bathroom already has the fixtures you want, and you do not have to consider any installation costs.

5

1. Write a description of your dream room. Include details of how the room will be decorated, including information on the flooring, wall coverings, baseboards, artwork, lighting, and furniture. **Note:** You will be marked on your communication, originality, and research.

---

---

---

---

---

---

---

(There is more room for your answer on the next page.)

Blank lined paper with horizontal ruling lines.



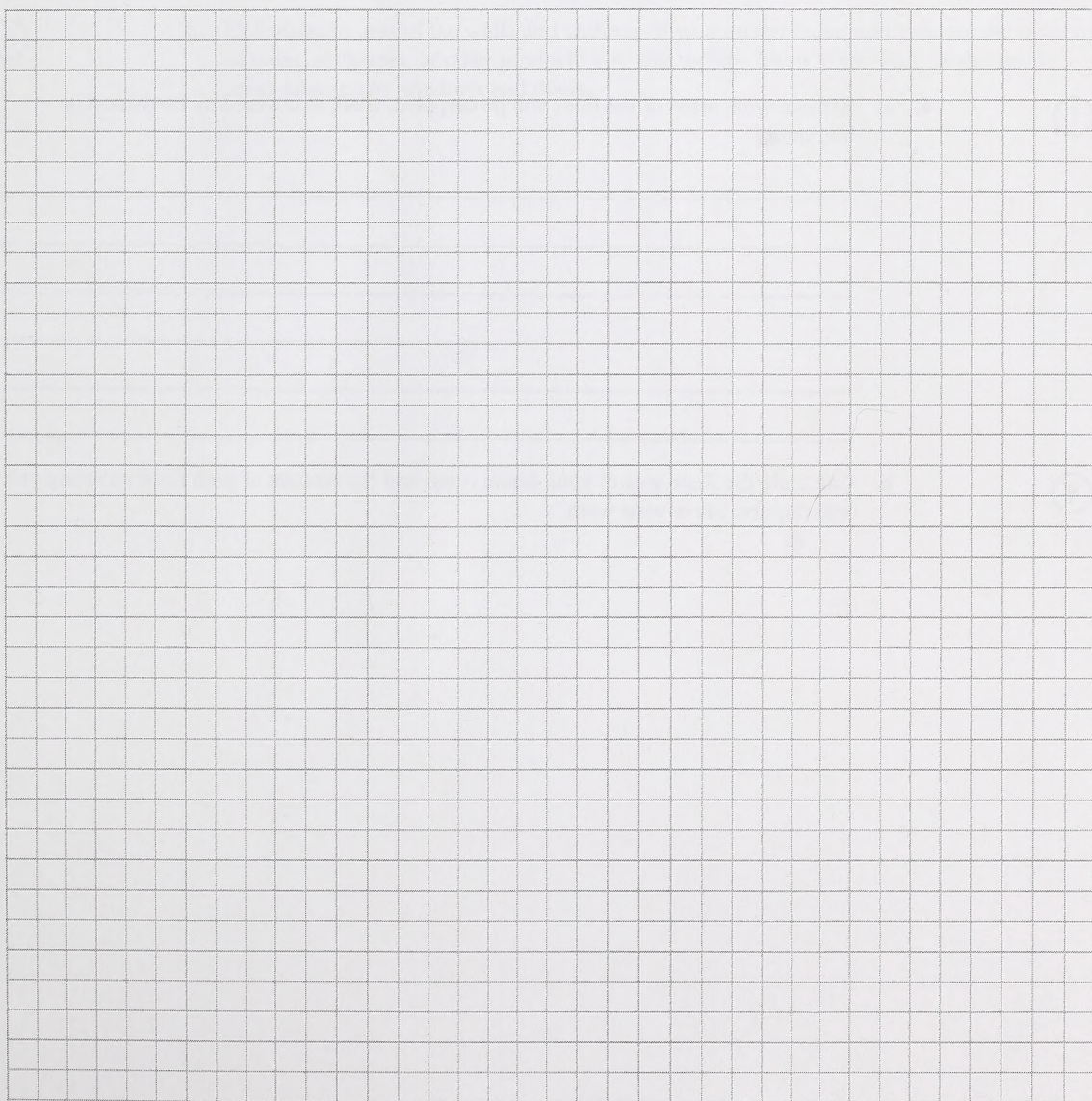
10

2. On the graph paper provided, create a scale drawing of the floor plan of your dream room. Be sure to indicate the scale. Also, give the dimensions of each wall. Show the placement of the furniture and draw the area that each piece of furniture occupies. Each item should be drawn to scale.

**Note:** See the sample floor plan on page 59 of the textbook. It is not necessary to include the summary of areas on the bottom of your drawing as the sample does. You will be marked on neatness, attention to scale, and accuracy.

### Floor Plan for My Dream Room

Scale: 1 square = \_\_\_\_\_



- ④ 3. Calculate the perimeter of your entire dream room, and determine the amount of baseboard you will require. Show your work. **Note:** The amount of baseboard should exclude doorways and areas covered by built-in cupboards (as in the bathroom, perhaps).

- ① 4. a. Explain what areas of the floor will be carpeted, tiled, or covered by hardwood or linoleum.

---

---

---

---

---

---

- ④ b. Calculate the floor area of your dream room and the amount of each floor covering you will require. Show your work.



①

5. a. Explain whether the walls and ceilings will be painted, wallpapered, or have other finishing.

---

---

---

---

---

---

⑤

- b. Calculate the area of the walls and ceilings of your dream room, and indicate the amount of paint, wallpaper, or other products you will require. Show your work. **Note:** Ignore areas taken up by windows and doors.

10

6. Analyse the costs of decorating your dream room. Give a breakdown of the costs and the total cost. However, do not include labour and installation costs. Remember that you have a budget of \$5000, and that your costs must be realistic. You may support some of your costs by including sample costs from sales flyers or catalogue pages (photocopies are fine).

**Note:** See the sample on page 60 of the textbook. Your analysis of costs may be set up in a similar manner. If you wish, you may use a spreadsheet program to complete your cost sheet. Be sure to include your name, the course name, and module number on any attached pages.





